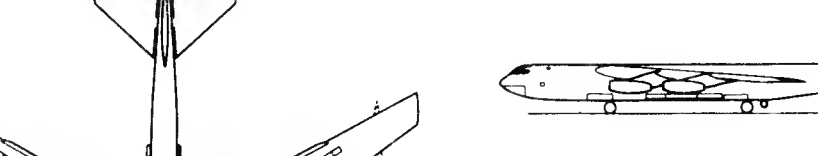


## SERVICE



Technical drawings of the TATOFORTRESS aircraft, showing a top-down view and a side profile view. The top-down view shows a large, multi-engine aircraft with a wide wingspan and a complex tail structure. The side profile view shows the aircraft's length, wing shape, and tail fin.

TATOFORTRESS" BOEING

Span . . . . .	185.0 ft	Height (overall) . . . . .	48.3 ft
		Height (fin folded) . . . . .	21.5 ft

## STATUS

- Navy Equivalent: None

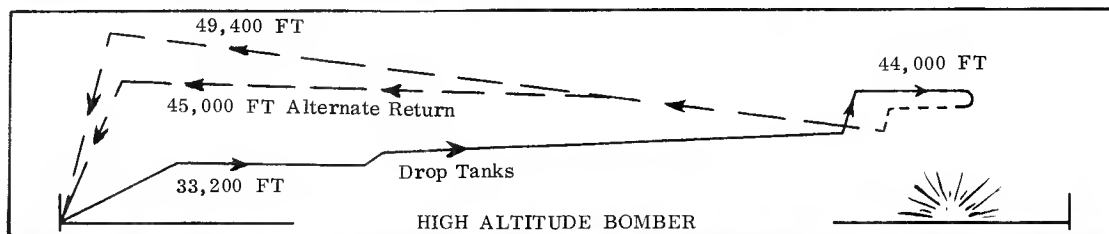
**Mfr's Model:** 464-259

## ARMAMENT

Crew	6
Cabin pressurization, heating and cooling	
Thermal Anti-icing	
Braking parachute	
Quadricycle landing gear	
Aerodynamic spoilers (air- brake)	
Strike camera station	
AN/ASB-4 bombing-navig system	
MD-9 fire control system	
Folding fin	
Pneumatic driven alternator & hydraulic packs	
Liquid oxygen system	
Crosswind landing gear	
Max fuel cap:	41,553 gal

**Note:** Structural provisions for 50,000 lb bomb; airplane will carry 4 ADM-20 and 2 AGM-28 missiles

# Characteristics Summary Basic Mission ..... B-52E



## P E R F O R M A N C E

COMBAT RADIUS	FERRY RANGE	S P E E D
3027 naut. mi with 10,000 lb payload at 453 knots avg. in 13.45 hours	6410 naut. mi with 41,024 gal fuel at 453 knots avg. in 14.17 hours at 450,000 lb T.O. wt.	COMBAT 496 knots at 44,000 ft alt, max power MAX 551 <sup>(c)</sup> knots at 20,200 ft alt, max power BASIC 520 knots at 35,000 ft alt, max power
C L I M B	C R I L I N G	T A K E - O F F
2225 fpm sea level, take-off weight normal power	37,550 ft 100 fpm, combat weight normal power	ground run 8000 ft no assist
5125 fpm sea level, combat weight military power	45,800 ft 500 fpm, combat weight military power	over 50 ft height 10,300 ft no assist
L O A D	W E I G H T S	S T A L L I N G S P E E D
Bombs: 10,000 lb Ammunition: 2400 rds/.50 cal	Empty..... 174,782 lb Combat... 292,460 lb (b) Take-off 450,000 lb limited by structure	147 knots, initial buffet power-off, landing config- uration, take-off weight
Fuel: 39,287 gal protected 61.6 % droppable 14.4 % external 14.4 %		T I M E T O C L I M B 21.5 min to cruise altitude of 33,200 ft

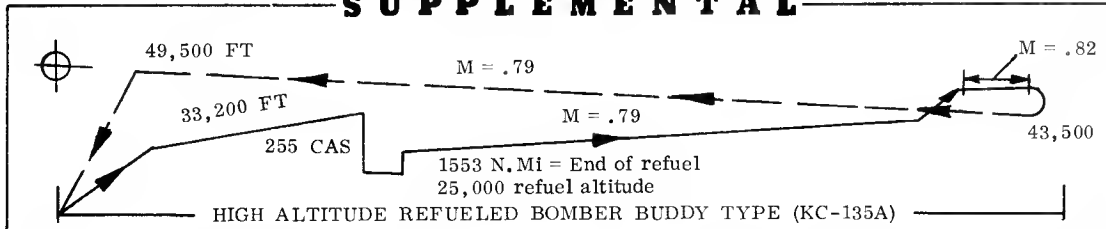
## N O T E S

- Performance Basis:
  - Data Source: Flight tests
  - Excludes 2500 lb water
  - Limited by structure
  - O.W.E. increases approximately 2000 lb on B-52 airplanes utilizing the J57-P-29WA engines resulting in a minor range decrease for a given T.O. weight.
- Performance Reference: Boeing Document D-1513B "Substantiating Data Report - Models B-52B (-19W engines), B-52C and B-52D Standard Aircraft Characteristics Charts", 14 May 1957.
- Revision Basis: To show change in Armament block, Page 1.

June 68.

# Characteristics Summary Basic Mission ..... B-52E

## S U P P L E M E N T A L



## P E R F O R M A N C E

COMBAT RADIUS	FERRY RANGE	S P E E D
3925 naut. mi with 10,000 lb payload at 453 knots avg. in 17.43 hours.	--- naut. mi with --- gal fuel at --- knots avg. in --- hours at --- lb T.O. wt.	COMBAT 486 knots at 43,500 ft alt, mil power (c) MAX 551 knots at 20,200 ft alt, max power BASIC 518 knots at 35,000 ft alt, mil power
C L I M B	C F I L I N G	T A K E - O F F
2225 fpm sea level, take-off weight normal power	37,550 ft 100 fpm, take-off weight normal power	ground run 8000 ft no assist
4575 fpm sea level, combat weight military power	43,900 ft 500 fpm, combat weight military power	over 50 ft height 10,300 ft no assist
L O A D	W E I G H T S	S T A L L I N G S P E E D
Bombs: 10,000 lb Ammunition: 2400 rds/.50 cal	Empty..... 174,782 lb Combat ... 329,860 lb (b) Take-off 450,000 lb limited by structure	147 Knots, initial buffet power-off, landing config- uration, take-off weight
Fuel: 39,288 gal protected 61.6 % droppable 14.4 % external 14.4 %		T I M E T O C L I M B 21.5 min to cruise altitude of 33,200 ft.

## N O T E S

- Performance Basis:
  - Data Source: Flight Tests
  - Excludes 2500 lb water
  - Limited by structure
  - O.W.E. increases approximately 2000 lb on B-52 airplanes utilizing the J57-P-29WA engines resulting in a minor range decrease for a given T.O. Weight.
- Revision Basis: To show change to Armament block, Page 1.

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